Textbook Alignment to the Utah Core – Math 7

This alignment has been completed using an "Independent Alignment Vendor" from the USOE approved list (www.schools.utah.gov/curr/imc/indvendor.html.) Yes _X__ No _____

Name of Company and Individual Conducting Alignment:
Jill Bauma-Pina

A "Credential Sheet" has been completed on the above company/evaluator and is (Please check one of the following):

X **On record with the USOE.**

☐ **The "Credential Sheet" is attached to this alignment.**

Instructional Materials Evaluation Criteria (name and grade of the core document used to align): Math 7 Core Curriculum

Title: *Math Connects: Concepts, Skills and Problems Solving, Course 2 © 2009*   **ISBN#:** **0078740487 & 0078882923**

Publisher: **Glencoe/McGraw-Hill**

Overall percentage of coverage in the *Student Edition (SE) and Teacher Edition (TE)* of the Utah State Core Curriculum: _ __100___%

Overall percentage of coverage in *ancillary materials* of the Utah Core Curriculum: _____%

STANDARD I: Students will expand number sense to understand, perform operations, and solve problems with rational numbers.			
Percentage of coverage in the *student and teacher edition* for Standard I:_____100_____ %	Percentage of coverage not in student or teacher edition, but covered in the *ancillary material* for Standard I: _____%		
OBJECTIVES & INDICATORS	**Coverage in *Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)***	**Coverage in *Ancillary Material* (titles, pg #'s, etc.)**	***Not covered in TE, SE or ancillaries✓***
Objective 1.1: Represent rational numbers in a variety of ways.	**Student Edition:** 30-33, 34-37, 38-41, 57-61, 62, 71-73, 75, 179, 196-200, 202-205, 206-210, 215-220, 222-224, 225, 287-292, 328-332, 336, 361-365, 366-367, 369-374		
a. Demonstrate multiple ways to represent whole numbers, decimals, fractions, percents, and integers using models and real-life examples.	**Student Edition:** 30-33, 34-37, 38-41, 57-61, 62, 71-73, 75, 179, 196-200, 202-205, 206-210, 215-220, 222-224, 225 *Algebra Lab 62* *Mini Lab 215* **Teacher's Edition:** AE 31, 35, 39. 197-198; FMC 35, 39; SQ 38, 196		
b. Simplify numerical expressions with whole number exponents using order of operations, and recognize that any positive number to the 0 power is 1.	**Student Edition:** 30-33, 34-37, 38-41, 42-43, 44-47, 48, 53-56, 71-73, 75, 79, 124 #3, 211-213, 668-670 *Study Tip 39* **Teacher's Edition:** AE 31, 39, 45, 53-54; ASU 38a; EC 38a; FMC 39; SQ 30, 38		

OBJECTIVES & INDICATORS	Coverage in *Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)*	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries*✓
c. Represent numbers greater than one using scientific notation.	**Student Edition:** 281, LA2-LA5 **Teacher's Edition:** A LA5; AE LA3; FMC LA3; NS LA4; SQ LA2		
d. Select the most appropriate form of a rational number for a given context.	**Student Edition:** 196-200, 202-205, 206-210, 282-286, 287-292, 328-332, 336, 361-365, 366-367, 369-374, 708, 709 *Mini Lab* 287 *Study Tip* 283, 361, 362 **Teacher's Edition:** AE 362-363, 370-371; FMC 362, 370; FTE 286; ML 287; SQ 282, 287		
Objective 1.2: Compare and order rational numbers, including positive and negative fractions, positive and negative mixed numbers, and positive and negative decimals.	**Student Edition:** 6-7, 79, 84-87, 204, 215-220, 224, 225, 230-235, 331, 636-639, 679 *Mini Lab* 215, 636 **Teacher's Edition:** AE 81, 84-85, 216-217, 637; SQ 84, 215, 636		
a. Identify, read, and locate rational numbers on a number line.	**Student Edition:** 84-87, 215-220, 230-235 *Mini Lab* 215 **Teacher's Edition:** AE 216-217; DI 219; FMC 216; NTM 220; RN 216; SQ 215; VC 230a		

OBJECTIVES & INDICATORS	Coverage in *Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)*	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries*✓
b. Compare pairs of rational numbers in different forms.	**Student Edition:** 6-7, 79, 84-87, 204, 215-220, 224, 225, 235, 331 *Mini Lab* 215 **Teacher's Edition:** AE 84, 217; DI 219; IS 84; SQ 215		
c. Order rational numbers with and without a number line.	**Student Edition:** 6-7, 80-83, 84-87, 215-220, 224, 225, 636-639, 679 *Mini Lab* 215, 636 **Teacher's Edition:** AE 81, 84-85, 216-217, 637; DI 219, 639; FMC 216, 637; ML 636; SQ 84, 215, 636; VC 84a		
Objective 1.3: Explain relationships and equivalences among rational numbers.	**Student Edition:** 93-94, 95-99, 101-102, 103-106, 107-111, 114-118, 121-122, 192-195, 196-200, 201, 202-205, 206-210, 281, 282-286, 287-292, 328-332, 336, 337, 350-354, 369-374, 375-378, 379-382		
a. Find equivalent forms for common fractions, decimals, percents, and ratios, including repeating or terminating decimals.	**Student Edition:** 192-195, 196-200, 201, 202-205, 206-210, 281, 282-286, 287-292, 328-332, 336, 337 *Mini Lab* 287 **Teacher's Edition:** AE 193, 197-198, 203, 283; FMC 203, 283; GCF 194; MM 197; SQ 196, 282		

OBJECTIVES & INDICATORS	Coverage in *Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)*	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries*✓
b. Predict the effect of operating with fractions, decimals, percents, and integers as an increase or a decrease of the original value.	**Student Edition:** 93-94, 95-99, 101-102, 103-106, 107-111, 114-118, 121-122, 350-354, 369-374, 375-378, 379-382 *Algebra Lab* 101-102, 693-694 *Mini Lab* 103, 369 **Teacher's Edition:** AE 370-371; FMC 353; ML 103, 369; SQ 95, 103, 350, 369; UM 95a		
c. Recognize and use the identity properties of addition and multiplication, the multiplicative property of zero, the commutative and associative properties of addition and multiplication, and the distributive property of multiplication over addition.	**Student Edition:** 53-56, 67, 73, 75, 77 #12, 96-97, 670 *Study Tip* 54, 97 **Teacher's Edition:** AE 53-54; CU 53a; DP 53; FFU 56; FMC 54, 96; NTM 56; PAA 54; PT 53a; SH 53a; SQ 53		
d. Recognize and use the inverse operations of adding and subtracting a fixed number, multiplying and dividing by a fixed number, and computing squares of whole numbers and taking square roots of perfect squares.	**Student Edition:** 134-135, 136-141, 142-146, 147, 151-155, 258-263, 636-639, LA6-LA9 *Mini Lab* 142, 151 **Teacher's Edition:** AE 137-138, 143-144, 151-153, LA7-LA8; ML 142, 151; SQ 136, 142, 151, 268, 636, LA6		

OBJECTIVES & INDICATORS	Coverage in *Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)*	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries*✓
Objective 1.4: Model meanings of ratios and operations with rational numbers.	**Student Edition:** 196-200, 201, 202-205, 258-263, 320-325, 328-332, 342-343, 344-348, 350-354, 680, 681, 708 **Teacher's Edition:** AE 197-198; FMC 197, 203, 329, 353, 370; CT 350a; DM 342; MM 197; PP 351; SQ 196, 202, 328, 344, 350		
a. Demonstrate that the fraction *a over b* represents *a divided by b*.	**Student Edition:** 196-200, 258-263, 320-325 *Study Tip* 260, 321 **Teacher's Edition:** FMC 259		
b. Recognize percents as ratios based on 100 and decimals as ratios based on powers of 10.	**Student Edition:** 196-200, 201, 202-205, 328-332, 342-343, 344-348, 350-354, 370 *Math Lab* 342-343 **Teacher's Edition:** AE 197-198; FMC 197, 203, 329, 353, 370; CT 350a; DM 342; MM 197; PP 351; SQ 196, 202, 328, 344, 350		

OBJECTIVES & INDICATORS	Coverage in *Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)*	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries*✓
c. Extend the multiplication of whole numbers to multiplication of fractions using area models, measurement models, and the number line.	**Student Edition:** 250-251, 252-257, 258-263, 274, 275, 680, 708 *Math Lab* 250-251 *Study Tip* 252 **Teacher's Edition:** AE 253-254, 259-260; DI 250; FMC 253; M 252; PAA 257; SQ 252, 258; TOD 257		
d. Compare the division of whole numbers to the division of fractions using area or set models, the number line, and missing factors.	**Student Edition:** 265-270, 274, 285, 681, 708 *Mini Lab* 265 *Study Tip* 266 **Teacher's Edition:** AE 266-267; DI 266, 269; FMC 266; ML 265; RC 265; SQ 265; UP 265a		
Objective 1.5: Solve problems involving rational numbers.	**Student Edition:** 49-52, 53-56, 57-61, 62, 73, 93-94, 95-99, 101-102, 103-106, 107-111, 114-118, 121-122, 179, 180, 181-184, 185, 197, 236-241, 252-257, 344-348, 670, 737		

OBJECTIVES & INDICATORS		Coverage in *Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)*	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries✓*
a.	Compute fluently using all four operations with integers and positive fractions and decimals.	**Student Edition:** 49-52, 53-56, 57-61, 62, 73, 93-94, 95-99, 101-102, 103-106, 107-111, 114-118, 121-122, 179, 197, 236-241, 252-257, 344-348, 670, 737 *Algebra Lab* 63, 93-94, 101-102 *Mini Lab* 56, 103, 107, 114 *Study Tip* 54		
b.	Solve problems using factors, multiples, prime factorization, relatively prime numbers, and common divisibility rules.	**Student Edition:** 179, 180, 181-184, 185, 186-189, 192-195, 196-200, 202-205, 206-210, 211-214, 734, 747 *Math Lab* 180 *Mini Lab* 181, 192, 211 *Reading to Solve Problems* 185 **Teacher's Edition:** AE 181-182, 186-187; SQ 181, 186; SS 178E		
c.	Solve application problems involving rational numbers.	**Student Edition:** 6-7, 192-195, 196-200, 201, 202-205, 206-210, 287-292, 293-297, 310-315, 320-326, 327, 361-365, 366-367, 368, 369-374, 375-378, 379-382, 383, 386-388, 389 *Spreadsheet Lab* 327, 383 **Teacher's Edition:** AE 193, 198		

OBJECTIVES & INDICATORS	Coverage in *Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)*	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries*✓
d. Determine if an answer is reasonable using estimation.	**Student Edition:** 6-7, 230-235, 241, 342-343, 344-348, 355-360, 361-365, 366-367, *Math Lab* 342-343 *Study Tip* 356 **Teacher's Edition:** A 232; AE 231-232, 355-357, 362, 366; EWF 231; EWMN 230; FMC 231, 356; SQ 230, 355, 366; UM 234		

STANDARD II: Students will use proportional reasoning to solve problems.

Percentage of coverage in the *student and teacher edition* for Standard II:____100_____ %	Percentage of coverage not in student or teacher edition, but covered in the *ancillary material* for Standard II: _____%		
OBJECTIVES & INDICATORS	Coverage in *Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)*	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries*✓
Objective 2.1: Solve problems involving ratios, rates, proportions and percentages.	**Student Edition:** 282-286, 287-292, 293-297, 298-303, 304-309, 334-335, 337, 342-343, 344-348, 349, 350-354, 361-365, 369-374, 375-378, 379-382, 383, 386-388, 389, 681-683, 709		

OBJECTIVES & INDICATORS	Coverage in *Student Edition (SE) and Teacher Edition (TE)* (pg #'s, etc.)	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries*✓
a. Solve ratio and rate problems using informal methods involving multiplication and division.	**Student Edition:** 282-286, 287-292, 293-297, 298-303, 304-309, 334-335, 337, 681-683 *Mini Lab* 287, 304 **Teacher's Edition:** AE 283, 288-289, 293-294, 299-300, 305-307; FMC 299; ML 287, 304; RWC 297; SQ 282, 293, 298, 304		
b. Solve percent problems using ratio and proportion, including problems involving discounts, interest, taxes, tips, and percent increase or decrease.	**Student Edition:** 287-292, 342-343, 344-348, 349, 350-354, 361-365, 369-374, 375-378, 379-382, 383, 386-388, 389, 709 *Math Lab* 342-343 *Mini Lab* 287, 369 *Reading to Solve Problems* 349 *Spreadsheet Lab* 383 **Teacher's Edition:** AE 283, 288-289, 345, 351-352, 362-363, 370-371, 375-376, 380; ML 287		

OBJECTIVES & INDICATORS	Coverage in *Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)*	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries*✓
c. Solve problems involving proportions, rates, and measures.	**Student Edition:** 278-292, 293-297, 298-303, 304-309, 310-315, 317, 320-326, 327, 334-336, 350-354, 682-684, 709 *Mini Lab* 287, 304 *Spreadsheet Lab* 327 **Teacher's Edition:** AE 288-289, 293-294, 299-300, 305-307, 351-352; ML 304		
Objective 2.2: Apply the properties of proportionality to different units of measurement.	**Student Edition:** 298-303, 304-309, 310-315, 317, 320-326, 327, 335-336, 337, 348, 682-683, 684, 739, 747 *Mini Lab* 304, 320 *Spreadsheet Lab* 327 *Study Tip* 299, 305, 311, 321, 322		
a. Convert from one unit of measurement to an equivalent unit of measurement in the same system using a given conversion factor.	**Student Edition:** 298-303, 304-309, 315, 317, 335, 337, 682-683, 739, 747 *Mini Lab* 304 *Study Tip* 299, 305 **Teacher's Edition:** AE 299-300, 305-307; FMC 299, 305; MD 298a; MRS 304a; OSWT 298a; SQ 298, 304; VL 304a		

OBJECTIVES & INDICATORS		Coverage in *Student Edition (SE) and Teacher Edition (TE)* (pg #'s, etc.)	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries*✓
b.	Understand that in a proportional relationship, all dimensions change by the same scale factor.	**Student Edition:** 310-315, 320-326, 327, 684 *Mini Lab* 320 *Spreadsheet Lab* 327 *Study Tip* 311, 321, 322 **Teacher's Edition:** AE 311-312, 321-322; FMC 311, 322; ML 320; P 311; PAA 325; PP 314; SD 320; SF 322; SQ 310, 320		
c.	Create and interpret scale drawings and approximate distance on maps using proportions.	**Student Edition:** 320-326, 327, 336, 337, 348, 684 *Mini Lab* 320 *Spreadsheet Lab* 327 *Study Tip* 321, 322 **Teacher's Edition:** AE 321-322; FMC 322; ML 320; NTM 326; SD 320; SF 322; DQ 320		

STANDARD III: Students will develop fluency with the language and operations of algebra to analyze and represent relationships.			
Percentage of coverage in the *student and teacher edition* for Standard III:___100_____ %	Percentage of coverage not in student or teacher edition, but covered in the *ancillary material* for Standard III: _____%		
OBJECTIVES & INDICATORS	**Coverage in *Student Edition (SE) and Teacher Edition (TE)* (pg #'s, etc.)**	**Coverage in *Ancillary Material* (titles, pg #'s, etc.)**	***Not covered in TE, SE or ancillaries*✓**
Objective 3.1: Evaluate, simplify, and solve algebraic expressions and equations.	**Student Edition:** 8-9, 44-47, 48, 57-61, 63-67, 68-69, 74, 75, 76-77, 79, 98, 124-125, 128-133, 134-135, 136-141, 142-146, 147, 151-155, 669, 742		
a. Write a variable expression to identify pattern relationships, and use those expressions to make predictions.	**Student Edition:** 8-9, 44-47, 48, 57-61, 61, 63-67, 68-69, 74, 75, 76-77, 128-133, 137, 143, 147, 153 *Algebra Lab* 62 *Graphing Calculator Lab* 68-69 *Mini Lab* 44, 57 **Teacher's Edition:** AE 45, 59, 63-64, 128-130; ML 44, 57		
b. Translate verbal expressions into algebraic expressions.	**Student Edition:** 8-9, 44-47, 48, 49-52, 63-67, 68-69, 73-74, 75, 76, 124-125, 128-133, 137, 143, 147, 153 *Graphing Calculator Lab* 68-69 *Mini Lab* 44 *Study Tip* 50 **Teacher's Edition:** AE 50, 63-64, 128-130; AlgE 44; ML 44		

OBJECTIVES & INDICATORS		Coverage in *Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)*	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries*✓
c.	Simplify and evaluate algebraic expressions.	**Student Edition:** 44-47, 48, 49-52, 61, 63-67, 68-69, 73-74, 75, 79. 98, 669, 742 *Graphing Calculator Lab* 68-69 *Mini Lab* 44 **Teacher's Edition:** AE 45, 50, 63-64; AlgE 44; SQ 63		
d.	Show that performing the same operation on both sides of an equation will produce an equivalent equation.	**Student Edition:** 134-135, 136-141, 142-146, 147, 151-155, LA6-LA9 *Algebra Lab* 134-135 *Mini Lab* 142, 151 **Teacher's Edition:** AE 137-138, 143-144, 151-153, LA7-LA8; FMC 152, LA7; ML 142, 151; SE 143, LA8; SQ 136, 142, 151, LA6		
e.	Solve single-variable linear equations and inequalities of The form $ax + b = c$, $ax + b < c$, or $ax + b > c$.	**Student Edition:** 151-155, 167, 171, 173, 740-741 *Mini Lab* 151 *Study Tip* 152 **Teacher's Edition:** AE 151-153; DI 155; ETC 151a; FFU 155; FMC 152; ML 151; NTM 155; SQ 151; STSE 152; UO 151; VKL 151a		

OBJECTIVES & INDICATORS	Coverage in *Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)*	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries✓*
Objective 3.2: Represent relationships using graphs, tables, and other models.	**Student Edition:** 63-67, 68-69, 73-74, 83, 88-92, 99, 100, 121, 123, 125, 127, 137, 143, 147, 153-154, 162, 163-167, 172, 174, 293-297, 426-431, 671		
a. Identify integer coordinates when given the graph of a point on a rectangular coordinate system.	**Student Edition:** 88-92, 99, 100, 121, 123, 125, 127, 163-167, 172, 174, 293-297, 426-431 *Mini Lab* 426 **Teacher's Edition:** AE 80-90, 164-165, 294, 427-428; CP 90; EC 163a; FFU 92; ML 426; P 428; PAA 167; SQ 88, 163		
b. Graph ordered pairs of integers on a rectangular coordinate system.	**Student Edition:** 88-92, 100, 121, 123, 125, 127, 162, 163-167, 172, 173, 175, 426-431, 671 *Graphing Calculator Lab* 168 *Measurement Lab* 162 *Mini Lab* 426 **Teacher's Edition:** AE 89-90, 164-165, 427-428; CP 90; ML 426; SQ 88, 163		

OBJECTIVES & INDICATORS	Coverage in *Student Edition (SE) and Teacher Edition (TE) (*pg #'s, etc.)	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries*✓
c. Model real-world problems using graphs, tables, equations, manipulatives, and pictures.	**Student Edition:** 49-52, 63-67, 68-69, 73-74, 83, 137, 143, 147, 153-154, 162, 163-167, 168, 172, 175, 252-257, 426-431 *Graphing Calculator Lab* 68-69, 168 *Measurement Lab* 162 *Mini Lab* 426 **Teacher's Edition:** AE 50, 63-64, 427-428; ML 426		
STANDARD IV: Students will use algebraic, spatial, and logical reasoning to solve geometry and measurement problems.			
Percentage of coverage in the *student and teacher edition* for Standard IV:____100_____ %	Percentage of coverage not in student or teacher edition, but covered in the *ancillary material* for Standard IV: _____%		
Coverage in *Ancillary Material* (titles, pg #'s, etc.)	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	Coverage in *Ancillary Material* (titles, pg #'s, etc.)
Objective 4.1: Draw, label, and describe attributes of geometric figures to determine geometric relationships.	**Student Edition:** 510-511, 514-517, 524-529, 532, 533-537, 539, 564-565, 566, 567, 693, LA10-LA13, LA14-LA17 *Geometry Lab* 532 *Mini Lab* 514 **Teacher's Edition:** AE 511-512, 515, 525-526, 534, LA15; SQ 510, 524, 533, LA14		

OBJECTIVES & INDICATORS	Coverage in *Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)*	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries*✓
a. Draw, label, and describe relationships among line segments, rays, lines, parallel lines, and perpendicular lines, including midpoint of a line segment.	**Student Edition:** 510-511, 514-515, 532, 533-537, LA10-LA13 *Geometry Lab* 532 *Mini Lab* 514 *Reading Math* 515 *Study Tip* 533 **Teacher's Edition:** AE 534, LA11; DI LA12; DTD 533a; FMC 534, LA11; Q 533; R 511, 532; SQ 533, LA10		
b. Draw, label, and describe relationships among vertical, adjacent, complementary, and supplementary angles.	**Student Edition:** 510-513, 514-517, 539, 564, 567, 693, LA10-LA13 *Mini Lab* 514 **Teacher's Edition:** A LA12; AE 511-512, 515; AR 515, LA13; CA 511, 512; CB 513; FMC 511, 515; SQ 510, 514; VA LA13		
c. Draw, label, and describe attributes of angles, triangles, and quadrilaterals.	**Student Edition:** 510-513, 514-517, 524-529, 532, 533-538, 539, 564-565, 566, LA14-LA17 *Geometry Lab* 532 *Mini Lab* 514 **Teacher's Edition:** AE 511-512, 515, 525-526, 534, LA15; DTD 533a; FMC 511, 525, 532, 534; NA 510;		

		SQ 510, 524, 533, LA14		

OBJECTIVES & INDICATORS	Coverage in *Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)*	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries*✓
Objective 4.2: Determine measurements in metric and customary units using appropriate tools and formulas.	**Student Edition:** 10-11, 12-13, 510-513, 530, 532, 572-576, 577, 578-582, 583, 584-588, 589-593, 596-599, 613-618, 619-623, 626-629, 631, 636-639, 699, 748-749 **Teacher's Edition:** AU 614		
a. Estimate metric and customary measures using everyday objects and comparisons.	**Student Edition:** 12-13, 510-513, 530, 532, 584-588, 589-593, 596-599, 636-639, 699 *Geometry Lab* 532 *Mini Lab* 589, 636 **Teacher's Edition:** A 587; AE 511, 590, 637; CA 511, 512; FMC 532, 585, 590; ML 589, 636; PAA 513; SQ 12		
b. Measure length, area, volume, and angles to appropriate levels of precision.	**Student Edition:** 10-11, 572-576, 577, 578-582, 583, 584-588, 589-593, 613-618, 619-623, 626-269, 631, 748-749 *Measurement Lab* 577, 583 *Mini Lab* 572, 578, 589, 613 *Study Tip* 573 **Teacher's Edition:** AE 572-573, 579-580, 585, 590; ML 572, 578, 589, 613		

OBJECTIVES & INDICATORS		Coverage in *Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)*	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries*✓
c.	Calculate the measurement of everyday objects using formulas for perimeters and areas of triangles and quadrilaterals, and circumferences and areas of circles	**Student Edition:** 572-576, 577, 578-582, 583, 584-588, 589-593, 596-599, 600-601, 631 *Measurement Lab* 577, 583, 600-601 *Mini Lab* 572, 578, 589 *Study Tip* 573 **Teacher's Edition:** AE 572-573, 579-580, 585, 590, 597; ML 572, 578, 589; PAA 576, 592		
d.	Calculate the measurement of everyday objects using formulas for surface area and volume of right triangular and rectangular prisms and cylinders.	**Student Edition:** 600-601, 602, 613-618, 619-623, 624-625, 626, 630, 631, 649-653, 654-655, 656-659, 662, 663, 748-749 *Graphing Calculator Lab* 624-625 *Measurement Lab* 600-601, 654-655 *Mini Lab* 613, 619, 649, 656		

STANDARD V: Students will understand concepts from probability and statistics and apply statistical methods to solve problems.			
Percentage of coverage in the *student and teacher edition* for Standard V:_____100_____ %	Percentage of coverage not in student or teacher edition, but covered in the *ancillary material* for Standard V: _____ %		
OBJECTIVES & INDICATORS	**Coverage in *Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)***	**Coverage in *Ancillary Material* (titles, pg #'s, etc.)**	**Not covered in TE, SE or ancillaries✓**
Objective 5.1: Use basic concepts of probability to determine the likelihood of an event and compare the results of various experiments.	**Student Edition:** 460-464, 465-470, 472-474, 476-478, 479, 480-483, 484-485, 486-490, 491, 492-497, 498-502, 503 *Mini Lab* 465, 486, 492 *Probability Lab* 497 **Teacher's Edition:** AE 461-462, 476, 481, 484, 487-488, 492-494		
a. Write the results of a probability experiment as a fraction, ratio, or decimal, between zero and one, or as a percent between zero and one hundred, inclusive.	**Student Edition:** 460-464, 465-470, 472-474, 476-478, 479, 480-483, 484-485, 486-490, 491, 492-497, 498-502, 503 *Mini Lab* 465, 486, 492 *Probability Lab* 497 **Teacher's Edition:** AE 461-462, 476, 481, 484, 487-488, 492-494; ML 465, 486, 492		

OBJECTIVES & INDICATORS	Coverage in *Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)*	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries*✓
b. Compare experimental results with theoretical probability.	**Student Edition:** 464, 465-470, 484, 486-490, 491, 501-502 *Mini Lab* 465, 486 *Probability Lab* 491 **Teacher's Edition:** A 491; AE 484, 487-488; DI 464, 491; FMC 487; ML 465, 486; PAA 490; SQ 465; SS 465; ST 486a; TEP 486		
c. Compare individual, small group, and large group results of a probability experiment.	**Student Edition:** 464, 465-470, 484, 486-490, 491, 501-502 *Mini Lab* 465, 486 *Probability Lab* 491 **Teacher's Edition:** A 491; AE 487-488; DI 464, 491; FMC 487; ML 465, 486; PAA 490; SQ 465; SS 465; ST 486a; TEP 486		
Objective 5.2: Display and compare data to make predictions and formulate conclusions.	**Student Edition:** 14-15, 291, 396-401, 415-421, 423, 424-425, 426-431, 432-433, 434-437, 438-443, 444-449, 452-454, 455, 485, 518-523, 688-690 *Spreadsheet Lab* 432-433 **Teacher's Edition:** AE 416-417, 427-428, 519-520		

OBJECTIVES & INDICATORS	Coverage in *Student Edition (SE) and Teacher Edition (TE) (*pg #'s, etc.)	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries*✓
a. Display data using tables, scatter plots, and circle graphs.	**Student Edition:** 14-15, 415-421, 422, 426-431, 432-433, 453-454, 455, 485, 518-523 *Mini Lab* 426 *Spreadsheet Lab* 422, 432-433 **Teacher's Edition:** AE 416-417, 427-428, 519-520; CG 518; DI 522; FMC 427, 519; ML 426; PAA 430		
b. Compare two similar sets of data on the same graph.	**Student Edition:** 14-15, 291, 415, 420, 432-433, 453, 456 #5, 688 *Spreadsheet Lab* 432-433 **Teacher's Edition:** A 432, 433; CC 415a; ETC 433; FCA 433		
c. Compare two different kinds of graphs representing the same set of data.	**Student Edition:** 14-15, 415-421, 422, 432-433, 688 *Spreadsheet Lab* 422, 432-433 **Teacher's Edition:** A 432, 433; BG 422; ETC 433; FA 433; FCA 433; JYS 415; UG 416		

OBJECTIVES & INDICATORS		Coverage in *Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)*	Coverage in *Ancillary Material* (titles, pg #'s, etc.)	*Not covered in TE, SE or ancillaries✓*
d.	Propose and justify inferences and predictions based on data.	**Student Edition:** 14-15, 291, 396-401, 415-421, 423, 424-425, 426-431, 432-433, 434-437, 438-443, 444-449, 452-454, 688-690 *Spreadsheet Lab* 432-433 **Teacher's Edition:** AE 398, 416-417, 424, 427-428; PAA 425, 430; SQ 424		